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STATISTICAL BULLETIN NO. 18 OF 1961

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

In reply quote No.

EIGHTH FLOOR,
DA COSTA BUILDING,
68 GRENFELL STREET,
ADELAIDE.

CEREAL STATISTICS

SOUTH AUSTRALIA

YEAR ENDED 31ST MARCH 1961

SCOPE This Bulletin shows details of the South Australian cereal and hay harvests for the year ended 31st March 1961 as obtained from the annual collection of Agricultural and Pastoral Statistics.

SEASONAL CONDITIONS Preliminary figures show the average rainfall over agricultural areas for the crop growing period April-November 1960 as 15.64 inches, which is 3.54 inches below the previous record wet season of 19.18 inches in 1916. Average rainfall for the corresponding period in 1959 was 6.28 inches whilst the mean for the 55 years to 1959 is 12.73 inches.

SUMMARY OF AREAS AND YIELDS The estimate of the combined wheat, barley, and oats yields for 1960/61, contained in my "Cereal Harvest Forecast" Bulletin issued in January of this year, was 100,089,000 bushels. Actual yield for these three cereals was 100,106,310 bushels, topping 100,000,000 bushels for the first time ever and exceeding the previous record harvest in 1958/59 by 18,417,431 bushels. The barley yield, which was less than the wheat yield in 1959/60 for the first time since the 1955/56 season, was again exceeded by the wheat yield.

Tables 1 to 4 below show information concerning areas and yields of crops for 1960/61.

TABLE 1 - CROPS: AREAS AND YIELDS, SOUTH AUSTRALIA, 1960/61

Crop	Area (a)	Yield (b)	Yield per Acre
	Acres	Bushels	Bushels
Wheat for Grain	1,969,423	46,395,600	23.56
Barley for Grain	1,555,687	42,233,118	27.15
Oats for Grain	512,165	11,477,592	22.41
Rye for Grain	46,028	263,766	5.73
Field Peas for Grain	26,131	358,338	13.71
		Tons	Tons
Hay (all kinds)	392,633	616,255	1.57

(a) Includes crops which failed.

(b) Excludes weight of bags.

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TABLE 2 - WHEAT, BARLEY, AND OATS: AREA AND YIELD, COUNTIES AND DIVISIONS, SOUTH AUSTRALIA, 1960/61

Division and County	Wheat			Barley			Oats			Rainfall (a)
	Area	Yield	Yield per Acre	Area	Yield	Yield per Acre	Area	Yield	Yield per Acre	
	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Inches
CENTRAL										
Adelaide	4,890	126,108	25.79	18,435	609,301	33.05	3,956	98,951	25.01	21.47
Carnarvon	1,786	43,104	24.13	8,219	141,428	17.21	6,382	125,404	19.65	17.38
Eyre	41,804	807,924	19.33	8,665	222,479	25.68	8,733	221,341	25.35	16.07
Fergusson	61,127	1,651,215	27.01	258,053	7,985,108	30.94	14,580	353,203	24.23	15.06
Gawler	93,253	2,618,454	28.08	83,949	2,828,438	33.69	18,741	507,265	27.07	16.44
Hindmarsh	3,866	97,332	25.18	15,165	475,456	31.35	6,223	167,519	26.92	18.05
Light	53,575	1,406,919	26.26	35,024	981,313	28.02	15,317	368,134	24.03	20.37
Sturt	49,694	1,102,767	22.19	38,266	972,701	25.42	10,254	242,028	23.60	16.39
LOWER NORTH										
Burra	20,448	518,862	25.37	5,285	133,896	25.34	5,376	146,170	27.19	19.14
Daly	202,221	5,686,581	28.12	144,234	5,113,079	35.45	43,837	1,272,441	29.03	14.39
Kimberley	1,851	39,237	21.20	132	3,162	23.95	770	19,734	25.63	(b)
Stanley	150,869	4,513,119	29.91	67,746	2,141,250	31.61	30,472	866,534	28.44	19.78
Victoria	126,465	3,712,053	29.35	74,060	2,229,222	30.10	24,368	709,457	29.11	19.46
UPPER NORTH										
Blachford	390	3,714	9.52	30	465	15.50	66	945	14.32	(b)
Dalhousie	41,666	1,138,548	27.33	12,738	324,692	25.49	8,597	242,206	28.17	16.97
Derby and Lytton	-	-	-	-	-	-	-	-	-	(b)
Frome	81,122	2,166,291	26.70	19,308	531,434	27.52	10,109	259,501	25.67	18.62
Granville	-	-	-	-	-	-	-	-	-	(b)
Hanson)	284	1,005	3.54	64	1,829	28.58	323	9,998	30.95	(b)
Herbert)										
Newcastle	6,658	154,614	23.22	31	890	28.71	763	17,415	22.82	(b)
Taunton	-	-	-	-	-	-	-	-	-	(b)
SOUTH EASTERN										
Buckingham	25,993	688,101	26.47	21,794	400,047	18.36	27,237	689,190	25.30	19.65
Cardwell	1,346	19,122	14.21	17,701	258,637	14.61	3,141	56,171	17.88	18.48
Grey	1,417	41,073	28.99	2,944	81,918	27.83	1,325	38,620	29.15	26.56
MacDonnell	6,076	110,775	18.23	5,791	99,303	17.15	7,009	136,807	19.52	22.16
Robe	3,105	68,322	22.00	2,534	40,547	16.00	6,412	152,782	23.83	23.42

TABLE 2 - WHEAT, BARLEY, AND OATS: AREA AND YIELD, COUNTIES AND DIVISIONS, SOUTH AUSTRALIA, 1960/61 (continued)

Division and County	Wheat			Barley			Oats			Rainfall (a)
	Area	Yield	Yield per Acre	Area	Yield	Yield per Acre	Area	Yield	Yield per Acre	
WESTERN	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Inches
Bosanquet	3,360	74,196	22.08	871	21,061	24.18	798	14,900	18.67	(b)
Buxton	81,691	1,828,944	22.39	21,438	522,681	24.38	17,345	352,978	20.35	13.82
Dufferin	30,970	617,559	19.94	2,408	58,635	24.35	13,635	238,690	17.51	13.62
Flinders	58,596	1,535,640	26.21	82,226	2,310,183	28.10	23,637	540,143	22.85	15.69
Hopetoun	3,227	51,798	16.05	1,188	28,886	24.31	734	10,679	14.55	(b)
Hore Ruthven	-	-	-	-	-	-	-	-	-	(b)
Jervois	220,170	4,598,394	20.89	97,677	2,389,034	24.46	40,648	855,221	21.04	13.36
Kintore	12,704	247,014	19.44	367	9,272	25.26	5,667	107,411	18.95	13.88
Le Hunte	85,195	1,766,664	20.74	23,763	530,207	22.31	25,129	437,782	17.42	13.12
Manchester	-	-	-	-	-	-	-	-	-	(b)
Musgrave	46,225	1,045,896	22.63	52,196	1,526,993	29.25	12,048	263,297	21.85	16.18
Robinson	81,054	1,866,123	23.02	37,384	1,077,920	28.83	26,267	553,464	21.07	14.23
Way)	56,823	1,172,172	20.63	2,577	65,764	25.52	23,612	453,615	19.21	13.08
York)										
MURRAY MALLEE										
Albert	92,560	1,233,975	13.33	47,187	875,897	18.56	11,489	173,069	15.06	9.88
Alfred	102,393	1,432,737	13.99	48,015	770,385	16.04	13,080	166,702	12.74	9.87
Buccleuch	25,593	444,909	17.38	170,766	3,557,231	20.83	23,596	311,889	13.22	14.18
Chandos	72,006	1,544,391	21.45	88,093	2,108,958	23.94	8,812	147,087	16.69	11.97
Hamley	2,745	19,221	7.00	217	1,851	8.53	192	1,947	10.14	(b)
Russell	11,055	159,051	14.39	38,429	790,988	20.58	10,541	131,329	12.46	12.95
Young	3,064	40,215	13.13	631	9,067	14.37	829	12,968	15.64	(b)
DIVISIONS										
Central	309,995	7,853,823	25.34	465,776	14,216,224	30.52	84,186	2,083,845	24.75	17.08
Lower North	501,854	14,469,852	28.83	291,457	9,620,609	33.01	104,823	3,014,336	28.76	17.24
Upper North	130,120	3,464,172	26.62	32,171	859,310	26.71	19,858	530,065	26.69	18.09
South Eastern	37,937	927,393	24.45	50,764	880,452	17.34	45,124	1,073,570	23.79	21.93
Western	680,101	14,805,861	21.77	322,181	8,542,146	26.51	189,635	3,830,785	20.20	14.06
Murray Mallee	309,416	4,874,499	15.75	393,338	8,114,377	20.63	68,539	944,991	13.79	11.89
Outside Counties										
				Included in Western Division						
WHOLE STATE	1,969,423	46,395,600	23.56	1,555,687	42,233,118	27.15	512,165	11,477,592	22.41	15.64

(a) Rainfall over agricultural areas during the crop-growing period April-November 1960. The figure for each county is obtained by averaging recorded rainfall at selected stations in crop-growing areas; the figure for each division is an average of the results so obtained for each county in the division weighted by area under crop. All figures are preliminary and subject to revision.

(b) Not regarded as a crop-growing county.

TABLE 3 - RYE AND FIELD PEAS: AREA AND YIELD, DIVISIONS, SOUTH AUSTRALIA, 1960-61

Division	Rye			Field Peas		
	Area	Yield	Yield Per Acre	Area	Yield	Yield Per Acre
	Acres	Bushels	Bushels	Acres	Bushels	Bushels
Central	814	5,214	6.41	16,344	225,491	13.80
Lower North	1,163	9,870	8.49	8,362	121,337	14.51
Upper North	38	378	9.95	236	1,530	6.48
South Eastern	281	1,281	4.56	601	4,002	6.66
Western	1,198	5,211	4.35	497	5,338	10.74
Murray Mallee	42,534	241,812	5.69	91	640	7.03
Whole State	46,028	263,766	5.73	26,131	358,338	13.71

TABLE 4 - HAY: AREA AND YIELD, DIVISIONS, SOUTH AUSTRALIA, 1960-61

Division	Hay(All Kinds)		
	Area	Yield	Yield Per Acre
	Acres	Tons	Tons
Central	145,997	231,972	1.59
Lower North	80,107	130,360	1.63
Upper North	19,068	30,406	1.59
South Eastern	68,145	113,536	1.67
Western	35,272	52,798	1.50
Murray Mallee	44,044	57,183	1.30
Whole State	392,633	616,255	1.57

The 1960-61 yields per acre compare favourably with those for other years in which there was good rainfall during the crop growing period.

Yield per acre comparisons for selected years when rainfall during the crop growing period was very high are shown below.

TABLE 5 - CEREAL YIELDS: SELECTED HIGH RAINFALL YEARS, SOUTH AUSTRALIA

Season	Average Rainfall Apr.-Nov. (a)	Average Yield per Acre			
		Wheat	Barley	Oats	Hay (all kinds)
	Inches	Bushels	Bushels	Bushels	Tons
1916/17	19.18	16.46	16.74	12.13	1.27
1923/24	16.76	14.29	17.65	12.24	1.24
1941/42	16.51	13.12	24.49	13.04	1.34
1951/52	16.94	16.92	20.23	13.87	1.48
1956/57	18.18	21.85	27.83	19.47	1.52
1960/61	15.64(b)	23.56	27.15	22.41	1.57

(a) Rainfall over agricultural areas. (b) Preliminary.

AREAS SOWN
FOR ALL
PURPOSES

The following table shows acreages sown for all purposes (grain, hay, and green fodder) for the seasons 1957/58 to 1960/61 together with farmers' estimates of areas which they intended sowing for the current 1961/62 season. The maximum area sown to wheat was 4,507,213 acres in 1930/31, when only 267,369 acres were under barley. From then until 1958/59 a general upward trend in barley acreages was matched by a decline in those for wheat, but in 1959/60 the trend reversed. For the 1930/31 season the acreage under barley was 5.9 per cent of that under wheat; in 1958/59 it was 93.6 per cent, but it decreased in 1959/60 to 82.6 per cent and again in 1960/61 to 78.4 per cent. In the autumn of 1961 the intended sowing of barley for the 1961/62 season was only 64.8 per cent of the intended sowing of wheat.

TABLE 6 - AREAS SOWN FOR ALL PURPOSES: SOUTH AUSTRALIA

(ACRES)

Crop	1957/58	1958/59	1959/60	1960/61	1961/62(a)
Wheat	1,411,406	1,459,859	1,605,420	2,027,008	2,260,727
Barley	1,271,434	1,367,059	1,325,689	1,588,418	1,464,224
Oats	874,908	845,052	813,426	907,250	954,377
Rye	45,827	65,371	44,726	58,665	(b)
Field Peas	44,304	36,880	30,331	29,828	32,305

(a) Acreage for 1961/62 is that intended to be sown when details were collected in the autumn.

(b) Not available.

WHEAT

The 1960/61 wheat harvest of 46,395,600 bushels averaged 23.56 bushels per acre, exceeding the previous record average yield of 22.76 bushels per acre from a harvest of 32,032,232 bushels in 1958/59. Production recorded for 1960/61 was exceeded in only one previous year, 1931/32, when 48,093,102 bushels were produced at an average yield of 11.81 bushels per acre.

Areas, yields, and yields per acre, relating to South Australian wheat production for the years 1956/57 to 1960/61 are shown below.

TABLE 7 - WHEAT: AREA AND PRODUCTION, SOUTH AUSTRALIA

Particulars	Unit	1956/57	1957/58	1958/59	1959/60	1960/61
Total Area	Acre	1,480,676	1,411,406	1,459,859	1,605,420	2,027,008
Grain Area	Acre	1,438,289	1,331,302	1,407,413	1,549,499	1,969,423
Yield	Bushel	31,431,547	14,913,988	32,032,232	11,928,966	46,395,600
Yield/Acre	Bushel	21.85	11.20	22.76	7.70	23.56

Of the 1,969,423 acres sown to wheat for grain during the 1960/61 season 632,666 acres were on fallowed land yielding 15,773,508 bushels and averaging 24.93 bushels per acre. The remaining 1,336,757 acres not on fallowed land yielded 30,622,092 bushels at an average of 22.91 bushels per acre.

The following table shows the number of persons in the United States in 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, and 1990. The population has increased steadily over the years, with a significant increase in the 1950s and 1960s. The population in 1990 was approximately 250 million.

(a) 1900-1990

1900	76,000,000	1950	150,000,000
1910	92,000,000	1960	180,000,000
1920	106,000,000	1970	203,000,000
1930	123,000,000	1980	226,000,000
1940	137,000,000	1990	250,000,000

The following table shows the number of persons in the United States in 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, and 1990. The population has increased steadily over the years, with a significant increase in the 1950s and 1960s. The population in 1990 was approximately 250 million.

Varieties of wheat sown for all purposes for the years 1958/59 to 1960/61 are shown in the following table.

TABLE 8 - WHEAT: VARIETIES SOWN, SOUTH AUSTRALIA

Variety	Area (acres)			Proportion of Total Area (per cent)		
	1958/59	1959/60	1960/61	1958/59	1959/60	1960/61
Bencubbin (a)	65,172	51,403	58,891	4.46	3.20	2.91
Bungulla	5,188	2,936	4,272	0.35	0.18	0.21
Claymore	69,401	100,576	113,966	4.75	6.26	5.62
Dirk (a)	243,239	252,509	295,831	16.66	15.73	14.59
Dundee (a)	14,094	4,723	5,066	0.96	0.29	0.25
Festival	2,725	3,401	4,873	0.19	0.21	0.24
Gabo	337,344	353,485	423,239	23.11	22.02	20.88
Insignia (a)	260,522	354,567	472,510	17.84	22.09	23.31
Javelin (a)	48,154	45,096	48,054	3.30	2.81	2.37
Kendee	6,891	5,004	4,365	0.47	0.31	0.22
Marathon	4,891	4,370	4,488	0.34	0.27	0.22
Modesty	2,479	3,662	7,293	0.17	0.23	0.36
Olympic	835	3,919	6,518	0.06	0.24	0.32
Pinnacle	24,078	34,584	44,861	1.65	2.15	2.21
Quadrat	14,540	11,811	17,932	1.00	0.74	0.88
Rapier (a)	19,837	19,414	20,851	1.36	1.21	1.03
Reldep	8,002	5,523	7,722	0.55	0.35	0.38
Sabre	157,137	170,775	243,107	10.76	10.64	11.99
Scimitar (a)	61,687	48,315	56,673	4.23	3.01	2.80
Sword	6,533	6,314	6,443	0.45	0.39	0.32
Waratah	3,881	2,259	2,979	0.27	0.14	0.15
Warigo	4,406	4,085	6,102	0.30	0.26	0.30
Wongoondy	21,551	44,352	73,915	1.48	2.76	3.65
Yande	13,606	11,339	11,763	0.93	0.71	0.58
Other (incl.unspec.)	63,666	60,998	85,294	4.36	3.80	4.21
Total Wheat	1,459,859	1,605,420	2,027,008	100.00	100.00	100.00

(a) Includes back cross.

BARLEY

The barley yield for 1960/61 of 42,233,118 bushels exceeded the previous record of 37,664,492 bushels in 1958/59 by 4,568,626 bushels. The average yield per acre increased from 9.19 bushels in 1959/60 to 27.15 bushels per acre in 1960/61, the highest average yield being 28.27 bushels per acre obtained in 1958/59.

The following table shows details relating to South Australian barley production for the years 1956/57 to 1960/61.

TABLE 9 - BARLEY: AREA & PRODUCTION, SOUTH AUSTRALIA

Particulars	Unit	1956/57	1957/58	1958/59	1959/60	1960/61
Total Area	Acre	1,248,648	1,271,434	1,367,059	1,325,689	1,588,418
Grain Area	Acre	1,221,737	1,211,762	1,332,473	1,289,936	1,555,687
Yield	Bushel	34,002,876	17,551,669	37,664,492	11,857,192	42,233,118
Yield/Acre	Bushel	27.83	14.48	28.27	9.19	27.15

The area of barley sown for grain in 1960/61 totalled 1,555,687 acres, 1,471,644 acres of 2 row yielding 40,162,676 bushels and 84,043 acres of 6 row yielding 2,070,442 bushels.

The varieties of barley sown for all purposes for the years 1958/59 to 1960/61 are shown below.

TABLE 10 - BARLEY: VARIETIES, SOUTH AUSTRALIA

Variety	Area (acres)			Proportion of Total Area (per cent)		
	1958/59	1959/60	1960/61	1958/59	1959/60	1960/61
2 Row - Maltworthy	239,163	229,540	271,350	17.49	17.31	17.08
Prior	959,624	945,848	1,110,796	70.19	71.35	69.93
Research	18,949	18,055	26,387	1.39	1.36	1.66
Other 2 Row	67,618	64,691	81,331	4.95	4.88	5.12
6 Row - All Kinds	81,705	67,555	98,554	5.98	5.10	6.21
Total Barley	1,367,059	1,325,689	1,588,418	100.00	100.00	100.00

OATS

The oats yield of 11,477,592 bushels for 1960/61 was 8,973,095 bushels greater than that for 1959/60 and the second highest on record; record production in South Australia was 11,992,515 bushels in 1958/59.

Average yield per acre was 22.41 bushels compared with 4.95 bushels in 1959/60 and 24.93 bushels in 1958/59.

Details of oats production in South Australia for the years 1956/57 to 1960/61 are shown below.

TABLE 11 - OATS: AREA & PRODUCTION, SOUTH AUSTRALIA

Particulars	Unit	1956/57	1957/58	1958/59	1959/60	1960/61
Total Area	Acre	843,481	874,908	845,052	813,426	907,250
Grain Area	Acre	427,192	427,366	481,076	505,499	512,165
Yield	Bushel	8,314,296	3,422,525	11,992,155	2,504,497	11,477,592
Yield/Acre	Bushel	19.47	8.01	24.93	4.95	22.41

Varieties of oats sown for all purposes for the seasons 1958/59 to 1960/61 are as follows:-

TABLE 12 - OATS: VARIETIES, SOUTH AUSTRALIA

Variety	Area (acres)			Proportion of Total Area (per cent)		
	1958/59	1959/60	1960/61	1958/59	1959/60	1960/61
Algerian	80,914	69,718	64,399	9.58	8.57	7.10
Ballidu	48,851	48,669	54,179	5.78	5.98	5.97
Belar	13,977	9,238	10,699	1.65	1.14	1.18
Dale	14,250	12,547	12,292	1.69	1.54	1.35
Fulghum	93,893	82,433	84,526	11.11	10.13	9.32
Guyra	6,014	2,977	2,815	0.71	0.37	0.31
Kherson (inc. Early)	281,302	267,736	322,002	33.29	32.91	35.49
Mulga	16,239	10,787	13,235	1.92	1.33	1.46
New Zealand Cape	88,149	79,606	71,465	10.43	9.79	7.88
Orient	139,287	139,454	157,105	16.48	17.14	17.32
Other (incl. unspec.)	62,176	90,261	114,533	7.36	11.10	12.62
Total Oats	845,052	813,426	907,250	100.00	100.00	100.00

RYE

During 1960/61 the area of rye sown for all purposes was 58,665 acres.

The 46,028 acres sown for grain yielded 263,766 bushels, an increase of 138,561 bushels on the 1959/60 total. The average yield per acre for the 1960/61 season was 5.73 bushels compared with 3.35 bushels in 1959/60.

PERCENTAGE OF DEFECTS IN THE

TABLE OF DEFECTS IN THE

(per cent)

1936	1937	1938
17.00	16.00	24.00
16.00	15.00	21.00
15.00	14.00	18.00
14.00	13.00	15.00
13.00	12.00	12.00
12.00	11.00	9.00

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FIELD
PEAS

From 26,131 acres planted for grain in the 1960/61 season 358,338 bushels were reaped, an average of 13.71 bushels per acre. In the 1959/60 season 58,449 bushels were obtained from 26,907 acres. In the autumn, farmers indicated that they intended sowing 32,305 acres in 1961/62.

Of the 29,828 acres sown in 1960/61 for all purposes 5,185 acres were sown to Collegian, 17,112 acres to Dun, 5,275 acres to White Brunswick, and 2,256 acres to other varieties.

HAY

The yield of hay (all kinds) in 1960/61 was 616,255 tons from 392,633 acres compared with 206,413 tons from 245,299 acres in 1959/60 and 671,527 tons from 419,566 acres in 1958/59. The greatest amount produced was 1,100,217 tons in 1915/16 obtained from a record area of 709,813 acres.

A summary of areas and production of hay for the years 1956/57 to 1960/61 is shown below.

TABLE 13 - HAY: AREA AND PRODUCTION, SOUTH AUSTRALIA

Particulars	1956/57	1957/58	1958/59	1959/60	1960/61
	Acres	Acres	Acres	Acres	Acres
<u>Area</u>					
Wheaten	36,618	71,517	50,283	52,076	51,649
Oaten	107,725	100,545	162,762	118,149	152,750
Other	154,451	118,864	206,521	75,074	188,234
All Kinds	298,794	290,926	419,566	245,299	392,633
	Tons	Tons	Tons	Tons	Tons
<u>Yield</u>					
Wheaten	60,914	72,092	85,343	43,082	88,058
Oaten	160,520	89,793	273,279	74,710	243,188
Other	231,836	142,209	312,905	88,621	285,009
All Kinds	453,270	304,094	671,527	206,413	616,255
<u>Yield per Acre</u>					
Wheaten	1.66	1.01	1.70	0.83	1.70
Oaten	1.49	0.89	1.68	0.63	1.59
Other	1.50	1.20	1.52	1.18	1.51
All Kinds	1.52	1.05	1.60	0.84	1.57

CEREALS
USED ON
FARMS

During 1960/61 more wheat and barley but less oats and hay was used on farms for feed purposes than in 1959/60.

The following table shows details of cereals and hay used on farms for seed and feed purposes during the years 1959/60 and 1960/61.

TABLE 14 - CEREALS USED ON FARMS, SOUTH AUSTRALIA

Particulars	Unit	1959/60		1960/61	
		Seed	Feed	Seed	Feed
Wheat	Bushel	1,827,804	900,306	2,282,844	1,008,069
Barley	"	1,623,021	2,040,487	1,866,372	2,288,280
Oats	"	969,105	3,458,932	1,085,551	3,096,980
Hay	Ton	-	357,559	-	306,713

Farmers have reported that 2,304,072 bushels of wheat were retained on farms for 1961 seeding and that 928,089 bushels were being kept for feed purposes.

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DEPUTY COMMONWEALTH STATISTICIAN

1st September 1961.

